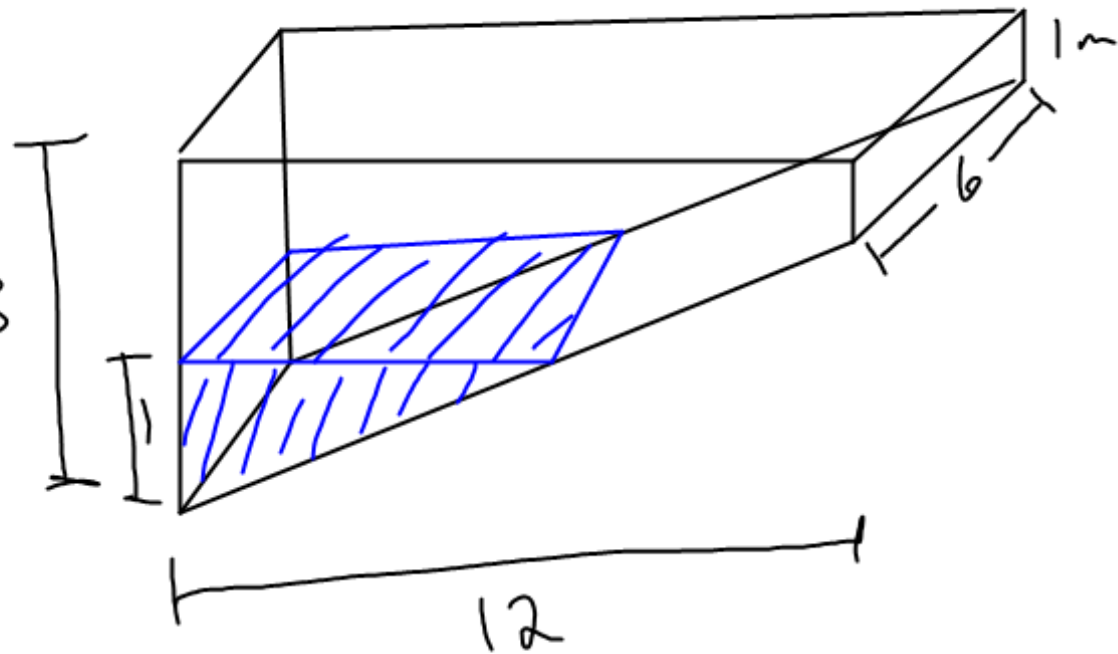


A swimming pool is 12 meters long, 6 meters wide, 1 meter deep at the shallow end, and 3 meters deep at the deep end (see fig.). Water is being pumped in at a rate of $\frac{1}{4} \text{ m}^3/\text{min}$, and there is 1 meter of water at the deep end

- ① What % of the pool is filled?
- ② At what rate is the water level rising?
- ③ Check yourself.



Due Friday (tomorrow)

- Exploration 67
- Weekly Review 7
- Swimming Pool Problem
- Sect. 4.6 #3, 6, 9, 11, 13, 17, 19